

SPECIFICATION AMENDMENTS

Please amend the paragraph starting at page 4, line 5 as follows:

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In accordance with the invention there is provided a combiner for use in a spatial diversity radio receiver which receives multiple data signals through spaced apart antennae. The combiner includes means for receiving strength-indicative signals, each strength-indicative signal being indicative of the strength of one of the received data signals, and demodulated data signals. The combiner provides means for generating control signals responsive to the strength-indicative signals and for combining, in linear proportions determined by the control signals, those demodulated data signals which are both above a predetermined combiner strength threshold level and differ in strength by less than a predetermined margin of preferably between 3dB and 12dB, to provide a combined output data signal. The demodulated data signals are thereby combined in proportion to an amount by which they differ relative to the predetermined margin (e.g. 6dB), and the greatest proportion is of the strongest of the data signals. A digital signal processor preferably provides the generating and combining means. The generating means comprises means for evaluating the strength-indicative signals and, to address the situation of rapid signal fading, the evaluating means may also include means for producing a second derivative signal for each strength-indicative signal whereby the control signal is generated according to a predetermined combination of the strength-indicative signals and second derivative signals. Preferably, the combiner includes adaptive DC bias compensation means to adjust the relative DC levels of the received demodulation data signals, wherein the compensation is always done but the DC level used to do so is only adjusted when both demodulated data ~~signals~~ signal strengths are above another predetermined ~~strength~~ threshold level which is referred to herein as the DC bias compensation threshold.